BRUHAT BANGALORE MAHANAGARA PALIKE

MODIFIED ESTIMATE FOR CONSTRUCTION OF TOILET BUILDING AND OTHER DEVELOPMENT WORKS NEAR GKVK LAYOUT IN WARD NO 7 BYATARAYANAPURA KODIGEHALLI SUB DIVISION.

Estimated Cost: 15.00 Lakhs

Sl.No	Description of Work	Sides	No	L	B	D	Qty.	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1. Item No 2.1								
	Lowering and Levelling the Ground								
			1	32.00	3.50	0.50	56.00		
						Total Quantity	**56.00**	**169.56**	**9495.00**
	As per Tender Qty 56.90								
2	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5(Page no. 5, Item no_2.3)								
	Tiolet								
	Foundation								
	Outer Walls		1	10.00	0.75	1.00	7.50		
	Inner Walls		1	3.25	0.75	1.00	2.44		
	Ramp		1	6.80	1.60	0.20	2.18		
						Total Quantity	**12.11**	**204.12**	**2473.00**
	As per Tender Qty 12.80								
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.3 of PWD SR 2015-16)								
	Tiolet								
	Foundation								
	Outer Walls		1	10.00	0.75	0.15	1.13		
	Inner Walls		1	3.25	0.75	0.15	0.37		
	Ramp		1	6.80	1.60	0.15	1.63		
	For Passage		2	10.00	3.50	0.15	10.50		
			2	15.00	3.60	0.15	16.20		
						Total Quantity	**29.82**	**5256.36**	**156758.00**
	As per Tender Qty 35.56								
	up to 125% Qty 44.45								
4	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page no. 22, Item no. 5.6).								
	Tiolet								
	Foundation								
	Outer Walls		1	10.00	0.60	0.90	5.40		
	Internal Walls		1	2.65	0.60	0.90	1.43		
						Total Quantity	**6.83**	**4521.96**	**30890.00**
	As per Tender Qty 9.22								

Sl.No	Description of Work	Sides	No	L	B	D	Qty.	Rate	Amount
	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page no.23, Item no. 5.9)								
	Toilet								
	Foundation								
	Outer Walls		1	10.00	0.45	0.23	1.04		
						Total Quantity	**1.04**	**5405.40**	**5595.00**
	As per Tender Qty 3.58								
6	KSRB 15.2.1 Providing flush pointing to stone slab pavements, with cement mortar 1:3, after raking joints, nicely lining, including cost of materials, labour, curing complete as per specifications. Item No - 15.07								
	Toilet								
	Foundation								
	Outer Walls	2	1	10.00		0.23	4.60		
						Total Quantity	**4.60**	**200.88**	**924.00**
	As per Tender Qty 7.18								
7	KSRB 2.3; Filling availabla excvavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth caompacting each deposited layer by ramming after watering with lead upto 50 m and lift upto1.5.including cost of all labour compleet as perspecification.specification no.KBS(page no.6,item no:2.10)								
	Toilet								
		Quantity vide Item No 02					12.11		
	Floor filling		1	7.00	3.00	0.15	3.15		
	Deductions						**15.26**		
	Deductions of PCC	Quantity vide Item No 03					3.12		
	Deductions of SSM	Quantity vide Item No 04					6.83		
							9.95		
						Total Quantity	**5.31**	**137.16**	**728.00**
	As per Tender Qty 12.80								
8	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2. item No 4.34								
	Toilet								
	Plinth Beam	2	1	20.60		0.30	12.36		
						Total Quantity	**12.36**		
	As per Tender Qty 6.83						8.54	**276.48**	**2361.00**
	up to 125% Qty 8.54						3.82	**276.48**	**1056.00**
	above 125% Qty								
9	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2, Item No 4.29								
	Toilet								
	Roof slab		1	6.80	3.40		23.12		
	Slab Projection in Front		1	6.80	0.45		3.06		
						Total Quantity	**26.18**	**594.00**	**15551.00**
	As per Tender Qty 23.29								
	up to 125% Qty 29.11								

Sl.No	Description of Work	Sides	No	L	B	D	Qty.	Rate	Amount
10	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, and beams retaining walls, return walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (P. No. 14/ I.No. 4.13 of CSR 2015-16)								
	Toilet								
	PlinthBeam		1	20.60	0.20	0.30	1.24		
	Roof slab		1	6.80	3.40	0.15	3.47		
	Slab Projection in Front and Back		1	6.80	0.45	0.15	0.46		
	For Passage		2	10.00	3.50	0.10	7.00		
			2	15.00	3.60	0.10	10.80		
	As per Tender Qty 27.01				Total Quantity		22.96	6650.64	152719.00
	up to 125% Qty 33.76								
11	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 550 (page no.17,item no:4.46.2)								
				8.84	60.00		530.58		
	As per Tender Qty 3.21				Total Quantity		0.53	60534.00	32118.00
12	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4. Item No 5.27.1								
	Toilet								
	Outer walls		1	20.40		2.70	55.08		
	Internal Wall		1	3.45		2.70	9.32		
			1	13.40		2.10	28.14		
	Parapet Wall		1	20.40		0.45	9.18		
	Deduction for openings								
	Door D1		-2	0.90		2.10	-3.78		
	ventilators		-10	0.60		0.60	-3.60		
	As per Tender Qty 89.01				Total Quantity		94.34	1011.96	95463.00
	up to 125% Qty 111.26								
13	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No. 12/I.No. 4.2 of CSR 2015-16)								
	For Floor								
			1	6.50	3.10	0.15	3.02		
	As per Tender Qty 2.74				Total Quantity		3.02	5449.68	16472.00
	up to 125% Qty 3.42								

Sl.No	Description of Work	Sides	No	L	B	D	Qty.	Rate	Amount
14	Supplying and fixing pressed steel door frames size 125x65 mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm, thick with lock rail of 160 mm, width, top and side rails of 100 mm. width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4. Item No 7.26								
	Doors		2	0.90		2.10	3.78		
	As per Tender Qty 3.78				Total Quantity		3.78	3780.00	14288.00
15	Providing and fixing colour Glazed Tiles alll sizes 10 mm thick for flooring trades of steps and landing laid on a bed of 12 mm thick cement morter 1:3 mix flus pointing using white cement with maching colour pigment including cost of materials labours curing complete as per specifications item no 14.33								
	Flooring		1	6.35	3.10		19.69		
	Wall Tiles		7	4.00		1.30	36.40		
			1	8.10		1.30	10.53		
			1	12.2		1.30	15.86		
	Deductions								
	Doors	1	-2	0.9		1.30	-2.34		
		2	-7	0.7		1.30	-12.74		
	As per Tender Qty 16.73				Total Quantity		67.40		
	up to 125% Qty 20.91	20.9125					20.91	588.60	12308.00
	above 125% Qty						46.49	588.60	27361.00
16	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinerycomplete as per specifications. Specification No. KBS 7.12.1 / 7.12.2 / 7.12.3 / 7.12. Item No 7.7								
	Ventilations		10	0.60		0.60	3.60		
	As per Tender Qty 3.38				Total Quantity		3.60	3812.40	13725.00
	up to 125% Qty 4.23								

Sl.No	Description of Work	Sides	No	L	B	D	Qty.	Rate	Amount
17	Providing and fixing factory made single leaft rigid GRP Sandwich composite door shutter of 32mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and on layer of 45 gsm E-Glass Chopped strand Mat (CSM), impregnated with orthopthalic polyster resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 29mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not less than 28mmx32mm and also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc, shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the Salwood reinforcement and the skins. The material and process for manufacturing the door shutters shall confirm to RV/TIFAC Composites Design centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain colour White/Ivory/Beige/Light Grey or any other colour using high quality pigments. Exclusing cost of fixtures and inclusive of supply of shutters to respective work spot. Page No 59, Item No 9.93								
	Internals Doors		7	0.75		2.00	10.50		
	As per Tender Qty 9.45					**Total Quantity**	**10.50**	**3,456.00**	**36288.00**
	Up to 125% Qty 11.81								
18	KSRB15-3.14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Item No 15.22								
	Ceiling Plastering		1	6.5	3.10		20.15		
	As per Tender Qty 18.29					**Total Quantity**	**20.15**	**192.24**	**3874.00**
	Up to 125% Qty 22.86								
19	KSRB15-3.6 : Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(page no.113,item no.15.14)								
	Internal plastering	**Sqm**							
	Outer walls	1	1	20.40		2.70	55.08		
	Internal Wall	2	1	3.45		2.70	18.63		
		2	1	13.40		2.10	56.28		
	Deduction for openings		-2	0.90		2.10	-3.78		
	Door D1		-10	0.60		0.60	-3.60		
	As per Tender Qty 102.92					**Total Quantity**	**122.61**	**180.36**	**22114.00**
	up to 125% Qty 128.65								
20	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Item No 15.33								
	Qty= 21+22	**Sqm**					**142.76**		
	As per Tender Qty 121.21					**Total Quantity**	**142.76**	**27.00**	**3855.00**
	up to 125% Qty 151.51								
21	KSRB15-3.11 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Item No 15.19								
	Roof Surface	**Sqm**		6.50	3.10		20.15		
	As per Tender Qty 18.42					**Total Quantity**	**20.15**	**252.72**	**5092.00**
	Up to 125% Qty 23.03								
22	KSRB15-3.3 : Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Item No 15.11								

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Sl.No	Description of Work	Sides	No	L	B	D	Qty.	Rate	Amount
	Outside Plastering	**Sqm**							
	Outer walls	1	1	20.40		3.00	61.20		
	Parapet Wall	2	1	20.40		0.45	18.36		
	Deductions								
	Doors		-2	0.90		2.10	-3.78		
	Ventilations		-10	0.60		0.60	-3.60		
	As per Tender Qty 70.57				**Total Quantity**		**72.18**	**162.00**	**11693.00**
	up to 125% Qty 88.21								
23	KSRB 8.6-8 : Providing and fixing on wall surface. 40 kg / sq.cm H.D.P.E. rain down water pipes 110mm outer dia. approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specifications. (P.No. 47/ I.No. 8.19 of CSR 2015-16)								
			1	13			13.00		
	As per Tender Qty 12.80				**Total Quantity**		**13.00**	**613.44**	**7975.00**
	up to 125% Qty 16.00								
24	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. No. 116, I.No. 15.49.1 of SR 2015-16).								
		Quantity vide item No 25					142.76		
	As per Tender Qty 121.21				**Total Quantity**		**142.76**	**76.68**	**10947.00**
	up to 125% Qty 151.51								
25	KSRB 15-13.3 : Providing and applying two coats dry distemper of approved brand, and shade on wall surface including priming coat and whitening after throughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. Item No 15.47.1								
	same as External plastering						72.18		
	As per Tender Qty 12.80				**Total Quantity**		**72.18**		
	up to 125% Qty 16.00						**16.00**	**54.00**	**864.00**
	above 125%Qty						**56.18**	**54.00**	**3034.00**
26	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (P.No. 77, I.No.12.2 of PWD SR 2015-16)								
			7				7.00		
	As per Tender Qty 7.00				**Total Quantity**		**7.00**	**4682.88**	**32780.00**
27	KSRB 11-8.1 : Providing and fixing white vitreous china clay, wall corner type, lipped front urinal basin of size 340x410x265mm with 5 litres P.V.C automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. Item No 12.11								
			4				4.00		
	As per Tender Qty 5.00				**Total Quantity**		**4.00**	**3109.32**	**12437.00**

Sl.No	Description of Work	Sides	No	L	B	D	Qty.	Rate	Amount
28	KSRB 11-11.8 : Providing and fixing white vitreous china clay, surgeon type wash basin size 660x460mm with a pair of 15mm C.P brass pillar taps with pair of elbow operated levers, C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. KBS 11 Item No 12.30								
			2				**2.00**		
	As per Tender Qty 2.00				**Total Quantity**		**2.00**	**4945.32**	**9891.00**
29	KSRB13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3(P.No.91/ I.No. 13.23 of PWD SR 2016-17)								
			10				10.00		
	As per Tender Qty 10.00				**Total Quantity**		**10.00**	**249.48**	**2495.00**
30	KSRB13-1.1 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 15mm dia nominal bore with fittings (medium grade weight 1.27 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.8. Item No 13.1								
		1.00	25				25.00		
	As per Tender Qty 25.00				**Total Quantity**		**25.00**	**199.80**	**4995.00**
31	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 1200mm (P.No.107, I.No.14.47.1 of PWD SR 2015-16)								
			4	1.20		0.60	2.88		
	As per Tender Qty 5.63				**Total Quantity**		**2.88**	**2828.52**	**8146.00**
32	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications. (P.No. 258/ I.No. 37.58 of CSR 2015-16). Item No 37.58								
		1					1000.00		
	As per Tender Qty 2000.00				**Total Quantity**		**1000.00**	**6.48**	**6480.00**
33	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1. Item No 2.1								
	Play Ground Levelling								
		1.00	91	50.00		0.30	1365.00		
	As per Tender Qty 384.00				**Total Quantity**		**1365.00**		
	up to 125% Qty 480.00						**480.00**	**169.56**	**81389.00**
	above 125% Qty						**885.00**	**169.56**	**150061.00**
34	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305. Item No 19.60								
	Play Ground Levelling	1	91	50		0.15	682.50		
	As per Tender Qty 576.00				**Total Quantity**		**682.50**	**326.16**	**222604.00**

Sl.No	Description of Work	Sides	No	L	B	D	Qty.	Rate	Amount
	up to 125% Qty 720.00								
35	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 . Item No 2.3								
	Culvert	1.00	10	1.60		0.80	12.80		
	As per Tender Qty 12.80					**Total Quantity**	**12.80**	**204.12**	**2613.00**
36	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.3 of PWD SR 2015-16) Item No 4.3								
	Culvert	1.00	10	1.60		0.15	2.40		
	As per Tender Qty 12.80					**Total Quantity**	**2.40**	**5256.36**	**12615.00**
37	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13. Item No 5.6								
	Culvert	2.00	10	0.60		0.60	7.20		
	As per Tender Qty 7.80					**Total Quantity**	**7.20**	**4521.96**	**32558.00**
38	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PWD SR 2015-16).								
	Coping	2	10	0.60		0.075	0.90		
	Vent	1.00	10	0.60		0.150	0.90		
	Ramp		1	6.80	1.60	0.15	1.63		
	As per Tender Qty 2.10					**Total Quantity**	**3.43**		
	up to 125% Qty 2.63						**2.63**	**5876.28**	**15455.00**
	above 125% Qty						**0.80**	**5876.28**	**4713.00**
39	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.								
	Culvert	2	1	10		0.70	14.00		
	As per Tender Qty 13.00					**Total Quantity**	**14.00**	104.76	**1467.00**
	up to 125% Qty 16.25								
40	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 . Item No 4.18								
			1	10.00		1.60	16.00		
	As per Tender Qty 6.00					**Total Quantity**	**16.00**		
	up to 125% Qty 7.50						**7.50**	**338.04**	**2535.00**
	above 125%						**8.50**	**338.04**	**2873.00**

Sl.No	Description of Work	Sides	No	L	B	D	Qty.	Rate	Amount
41	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. Item No 4.11		1	10.00	1.60	0.23	3.68		
						Total Quantity	3.68	6491.88	23890.00
	As per Tender Qty 3.68								
42	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1. Page No 133 Item No 17.1		1	80.00	1.80	1.80	259.20		
						Total Quantity	259.20	96.12	24914.00
	As per Tender Qty 259.20								
								Total Construction cost	1350932.00
								KRDIL Charges 11%	148602.52
								Total	1499534.52

1 Estimate Sanction amount Rs =1500000

2 Tender Agriment Amount Rs =14,99,827.00 (Including KRIDL Charges)

A.E.E

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction
Accorded For Rs 15.00
Head of A/C 0-3250
CER NO MT 12A Dt: 01/08/201

TA CE (YNK)